



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

George ISHIKAWA, et al.

Serial No. 09/080,909

Group Art Unit: 3663

Confirmation No. 9908

Filed: May 19, 1998

Examiner: N. Moskowitz

For: OPTICAL WAVELENGTH MULTIPLEX TRANSMISSION METHOD AND OPTICAL
DISPERSION COMPENSATION METHODCOMMUNICATION TO THE EXAMINER

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

An IDS was filed on May 19, 1998. A copy of the IDS and the USPTO mailroom filing receipt is attached hereto. However, the Examiner has not yet acknowledged the IDS.

In view of the above, it is respectfully requested that the Examiner acknowledge the IDS filed May 19, 1998.

Moreover, please note that an additional IDS was filed concurrently herewith.

Respectfully submitted,

STAAS & HALSEY LLP

Date:

By:

Paul I. Kravetz
 Registration No. 35,230

Suite 700
 1201 New York Avenue, N.W.
 Washington, D.C. 20005
 (202) 434-1500

Please return this card, indicating receipt date and Serial No., if applicable, of the following

Rule 1.53(b) Divisional of 08/917,292; Copy of Spec./Clms./Abst./Drawings (180 Pages);
Declaration; Information Disclosure Statement w/PTO Form 1449; Preliminary Amendment

Applicant(s): George ISHIKAWA, et al.

Title: OPTICAL WAVELENGTH MULTIPLEX TRANSMISSION METHOD
AND OPTICAL DISPERSION COMPENSATION METHOD

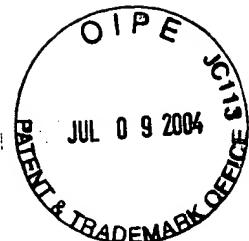
Serial No.: Divisional of 08/917,292

Filing Date: May 19, 1998 jc526 U.S. PTO
 09/080909

Docket No.: 1075.1013-CC-D3\PIK

Due Date: 05/19/98





Docket No. 1075.1013-CC-D3\PIK

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

George ISHIKAWA, et al.

Serial No.: Divisional of 08/917,292

Filed: **May 19, 1998**

For: **OPTICAL WAVELENGTH MULTIPLEX TRANSMISSION METHOD AND OPTICAL DISPERSION COMPENSATION METHOD**

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure provisions of 37 C.F.R. §1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the application.

1. Enclosures accompanying this Information Disclosure Statement are:
 - 1a. Form PTO-1449.
 - 1b. Copies of publications.
 - 1c. An English language copy of search report(s) from a counterpart foreign application or PCT International Search Report.
 - 1d. Explanations of relevancy (ATTACHMENT 1(d), hereto) or English language abstracts of the non-English language publications.
 - 1e. List of Copending Applications (ATTACHMENT 1(e), hereto).
2. This Information Disclosure Statement is filed under 37 C.F.R. §1.97(b) before the latter of three months after the U.S. patent application filing date or the first Office Action on the merits. Accordingly, no fee or certification is required.
3. This Information Disclosure Statement is filed under 37 C.F.R. §1.97(c) after the first Office Action on the merits, but before a Final Office Action or a Notice of Allowance.

(Check either Item 3a or 3b)

- 3a. [] The Certification Statement in Item 5 below is applicable. Accordingly, no fee is required.
- 3b. [] The \$230.00 fee set forth in 37 C.F.R. §1.17(p) in accordance with 37 C.F.R. §1.97(c) is:
[] enclosed.
[] to be charged to Staas & Halsey Deposit Account No. 19-3935.

(Item 3b to be checked if any reference known for more than 3 months)

4. [] This Information Disclosure Statement is filed under 37 C.F.R. §1.97(d) after Final Office Action or Notice of Allowance, but before payment of Issue Fee.

A Petition to the Commissioner is hereby made under 37 C.F.R. §1.97(d) to request consideration of this Information Disclosure Statement. The \$130.00 fee set forth in 37 C.F.R. §1.17(i)(1) is:

- [] enclosed.
[] to be charged to Staas & Halsey Deposit Account No. 19-3935.

The Certification Statement in Item 5 below is applicable.

5. [] Certification Statement *(applicable if Item 3a or Item 4 is checked)*

(Check either Item 5a or 5b)

- 5a. [] In accordance with 37 C.F.R. §1.97(e)(1), it is certified that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
- 5b. [] In accordance with 37 C.F.R. §1.97(e)(2), it is certified that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, was known by any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

6. [X] A divisional application under 37 C.F.R. §1.53(b) is concurrently filed herewith.

(Check appropriate Items 6a, 6b and/or 6c)

- 6a. [] A Petition to Withdraw from issue under 37 C.F.R. §1.313(b)(5) is concurrently filed herewith. A continuation application under 37 C.F.R. §1.62 after payment of the issue fee is proper in accordance with the U.S. Patent & Trademark Office's authorization in the Federal Register, Vol. 57, No. 12, January 17, 1992, at page 2032 (Reply to Comment 82).
- 6b. [X] Copies of publications previously cited by or submitted to the Office in prior application Serial Nos. 08/233,830, filed on April 26, 1994; 08/781,137, filed on January 9, 1997 and 08/917,292, filed on August 25, 1997 of which this application claims priority under 35 U.S.C. §120, have been omitted pursuant to 37 C.F.R. §1.98(d).
- 6c. [] Copies of the publications listed on Form PTO-1449 which were not previously cited in prior application Serial No. _____, filed on _____, of which this application claims priority under 35 U.S.C. §120, are provided herewith.
7. [] This is a Supplemental Information Disclosure Statement. (*Check either Item 7a or 7b*)
- 7a. [] This Supplemental Information Disclosure Statement under 37 C.F.R. §1.97(f) supplements the Information Disclosure Statement filed on _____. A bona fide attempt was made to comply with 37 C.F.R. §1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental Information Disclosure Statement can be considered as if properly filed on _____.
- 7b. [] This Supplemental Information Disclosure Statement is timely filed within one (1) month of the U.S. Patent & Trademark Office Notice under 37 C.F.R. §1.97(i).
8. [] In accordance with 37 C.F.R. §1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is:
- (*Check Item 8a, 8b or 8c*)
- 8a. [] satisfied because all non-English language publications were cited on the enclosed English language copy of the PCT International Search Report or the search report from a counterpart foreign application indicating the degree of relevance found by the foreign office. See U.S. Patent & Trademark Office's authorization in the Federal Register, Vol. 57, No. 12, January 17, 1992, at page 2031 (Reply to Comment 68).
- 8b. [] set forth in the application.

- 8c. [] enclosed as an attachment hereto.
9. The Commissioner is authorized to charge any additional fee required or credit any overpayment for this Information Disclosure Statement and/or Petition to Staas & Halsey Deposit Account No. 19-3935.
10. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than a search report of a foreign counterpart application or PCT International Search Report if submitted herewith). 37 C.F.R. §§ 1.97(g) and (h).

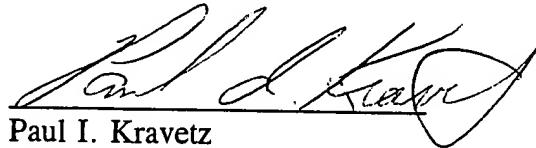
Respectfully submitted,

STAAS & HALSEY

Dated:

May 19, 1998

By:


Paul I. Kravetz
Registration No. 35,230

700 Eleventh Street, N.W.
Suite 500
Washington, D.C. 20001
Telephone: (202) 434-1500
Facsimile: (202) 434-1501
PIK/adt



Sheet 1 of 6

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 1075.1013-CC-D3	SERIAL NO. Div. of 08/917,292
LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i>			APPLICANT George ISHIKAWA, et al.	
			FILING DATE May 19, 1998	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA	5,042,906	8/1991	Chesler et al.			
	AB	5,063,559	11/1991	Marcuse			
	AC	5,218,662	6/1993	Dugan			
	AD	5,224,183	6/1993	Dugan			
	AE	5,274,733	12/1993	Prigent, et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
	AF	0 668 675 A2	08/23/95	EUROPE			
	AG						
	AH						
	AI						
	AJ						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AK	Vengsarkar et al., "Dispersion Compensating Single-Mode Fibers: Efficient Designs For First- and Second-Order Compensation", OPTICS LETTERS, Vol. 18, No. 11, June 1, 1993, pp.924-926.
AL	Antos et al., "Dispersion Compensating Fiber For Upgrading Existing 1310-nm-Optimized Systems to 1550-nm Operation", OFC/IOOC '93 Technical Digest, Feb. 1993, pp. 204-205.
AM	Cimini et al., "Optical Equalization For High-Bit-Rate Fiber-Optic Communications", IEEE Photonics Technology Letters, Vol. 2, No. 3, March 1990, pp. 200-202.
AN	European Search Report, EP 0668 675 A3; 7 February 1997

EXAMINER	DATE CONSIDERED
----------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1442 JUL 09 2004 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 1075.1013-CC-D3	SERIAL NO. Div. of 08/917,292
LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i>		APPLICANT George ISHIKAWA, et al.	
		FILING DATE May 19, 1998	GROUP UNASSIGNED

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AO	5,327,516	7/1994	Chraplyvy, et al.			
	AP	5,343,322	8/1994	Pirio, et al.			
	AQ	5,361,319	11/1994	Antos, et al.			
	AR	5,373,382	12/1994	Pirio, et al.			
	AS	5,386,314	1/1995	Jopson			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
	AT						
	AU						
	AV						
	AW						
	AX						

OTHER REFERENCES (*Including Author, Title, Date, Pertinent Pages, Etc.*)

AY	Inoue et al. "Wavelength Conversion Experiment Usig Fiber Four-Wave Mixing", IEEE Photonics Technology Letters, Vol. 4, No. 1, Jan 1992, pp. 69-72.
AZ	Hill et al, "CW Three-Wave Mixing in Single-Mode Optical Fibers", J. Appl. Phys. Vol. 49, No. 10, October 1978, p. 5098-5106.
BA	Shibata et al., "Phase-Mismatch Dependence of Efficiency of Wave Mixing in a Single-Mode Optical Fiber", IEEE Journal of Quantum Electronics, Vol. QE-23, No. 7, July 1987, pp. 1205-1209.

EXAMINER	DATE CONSIDERED
----------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Sheet 3 of 6

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 1075.1013-CC-D3	SERIAL NO. Div. of 08/917,292
LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i>			APPLICANT George ISHIKAWA, et al.	
			FILING DATE May 19, 1998	GROUP UNASSIGNED

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	BB	5,392,377	2/1995	Auracher			
	BC	5,410,624	4/1995	Morkel			
	BD	5,546,210	8/1996	Chraplyvy et al.			
	BE						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
	BF						
	BG						
	BH						
	BI						
	BJ						

OTHER REFERENCES (*Including Author, Title, Date, Pertinent Pages, Etc.*)

BK	Hamaide et al., "Limitations in Long Haul IM/DD Optical Fiber Systems Caused by Chromatic Dispersion and Non-Linear Kerr Effect," Electronics Letters, Vol. 26, No. 18, Aug 30, 1990, pp. 1451-1453.
BL	Maeda et al., "The Effect of Four-Wave Mixing in Fibers on Optical Frequency-Division Multiplexed Systems, IEEE Journal of Lightwave Technology, Vol. 8, No. 9, Sept 1990, pp. 1402-1408.
BM	Schadt et al., "Numerical Investigation of Signal Degradation Due to Four-Wave Mixing in a 21-Channel 2.5 Gb/s Coherent Heterodyne DPSK System, IEEE Jnl of Lightwave Tech. Vol. 9, No. 9, Sept 1991.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Sheet 4 of 6

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 1075.1013-CC-D3	SERIAL NO. Div. of 08/917,292
LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i>		APPLICANT George ISHIKAWA, et al.		
		FILING DATE May 19, 1998	GROUP UNASSIGNED	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	BN						
	BO						
	BP						
	BQ						
	BR						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
	BS						
	BT						
	BU						
	BV						
	BW						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

BX	Inoue, "Four-Wave Mixing in an Optical Fiber in the Zero-Dispersion Wavelength Region, IEEE Journal of Lightwave Technology, Vol. 10, No. 11, Nov 1992, pp. 1553-1561
BY	Inoue, "Phase-Mismatching Characteristic of Four-Wave Mixing in Fiber Lines with Multistage Optical Amplifiers", Optics Letters, Vol. 17, No. 11, June 1, 1992, pp. 801-803.
BZ	Forghieri et al., "Reduction of Four-Wave-Mixing Cross Talk in WDM Systems Using Unequally Spaced Channels", OFC/IOOC '93 Technical Digest, Feb 1993, p. 252.
EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



Sheet 5 of 6

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 1075.1013-CC-D3	SERIAL NO. Div. of 08/917,292
LIST OF REFERENCES CITED BY APPLICANT			APPLICANT George ISHIKAWA, et al.	
(Use several sheets if necessary)			FILING DATE May 19, 1998	GROUP UNASSIGNED

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	CA						
	CB						
	CC						
	CD						
	CE						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
	CF						
	CG						
	CH						
	CI						
	CJ						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

CK	Aoyama et al., "Design and Operation of Transmission Lines Containing ER-Doped Fiber Amplifier Repeaters, IEEE Globecom '92, 1992, pp. 1875-1879.
CL	A. Chraplyvy, "Limitations in Long-Haul Transmission Systems", OFC/IOOC '93 Technical Digest, Feb 1993, p. 249.
CM	Kurtzke et al., "Impact of Fiber Four-photon Mixing on the Design of n-channel Megameter Optical Communication Systems", OFC/IOOC '93 Technical Digest, Feb 1993, p. 251.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Sheet 6 of 6

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 1075.1013-CC-D3	SERIAL NO. Div. of 08/917,292
LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i>		APPLICANT George ISHIKAWA, et al.		
		FILING DATE May 19, 1998	GROUP UNASSIGNED	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	CN						
	CO						
	CP						
	CQ						
	CR						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
	CS						
	CT						
	CU						
	CV						

OTHER REFERENCES (*Including Author, Title, Date, Pertinent Pages, Etc.*)

CW	"Frequency Allocation for Terrestrial Line Systems Using WDM and OFA's", ITU Telecommunication Standardization Sector, Com. 15-235-D, May 1994	
CX	"Draft Recommendation G.mcs: Optical Interfaces For Multichannel Systems with Optical Amplifiers", ITU Telecommunication Standardization Sector, Com. 15-282-E, Study Group 15 - Contribution 282; March 1996.	
CY	"Report Of Study Group 15 - Recommendations to be Submitted to the Rules of Resolution 1 (Section 8) at the Next Meeting of Study Group 15", ITU Telecommunication Standardization Sector, Com. 15-R 3-E, May 1997.	
CZ	M. Aiki, "Limitations in long-haul optical-amplifier transmission systems", OFC/IOOC '93 Technical Digest, Feb. 1993, pp. 250.	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

George ISHIKAWA, et al.

Application No.: 09/080,909

Group Art Unit: 3663

Filed: May 19, 1998

Examiner: N. Moskowitz

For: OPTICAL WAVELENGTH MULTIPLEX TRANSMISSION METHOD AND OPTICAL DISPERSION COMPENSATION METHOD

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 CFR § 1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

1. Enclosures accompanying this Information Disclosure Statement are:

- 1a. Form PTO-1449.
- 1b. Copies of IDS citations.
- 1c. An English language copy of search report(s) from a counterpart foreign application or a PCT International Search Report.
- 1d. English language translation (complete or relevant portion(s)) attached to each non-English language publication.
- 1e. Explanations of Relevancy of References (ATTACHMENT 1(e), hereto) for providing a concise explanation of each non-English publication.
- 1f. List of Copending Applications (ATTACHMENT 1(f), hereto).
- 1g. List of Additional Submitted Documents (ATTACHMENT 1(g), hereto).

2. This Information Disclosure Statement is filed under 37 CFR §1.97(b):

(Check either Item 2a or 2b or 2c or 2d)

- 2a. Within three months of the filing date of a national application other than a Continued Prosecution Application under § 1.53(d);
- 2b. Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application.
- 2c. Before the mailing of a first Office Action on the merits; or
- 2d. Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114.

3. This Information Disclosure Statement is filed under 37 CFR § 1.97(c) after the period specified in paragraph 2 above but before the mailing date of any of a Final Office Action under § 1.113, a Notice of Allowance under § 1.311 or an action that otherwise closes prosecution in the application, AND

(Check either Item 3a or 3b; Item 3b to be checked if any reference known for more than 3 months)

- 3a. The §1.97(e) Statement in Item 5 below is applicable; OR
3b. The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:
 enclosed.
 to be charged to Deposit Account No. 19-3935.

4. This Information Disclosure Statement is filed under 37 CFR §1.97(d) after the period specified in paragraph 3 above, but on or before payment of the Issue Fee, AND

- 4a. The § 1.97(e) Statement in Item 5 below is applicable; AND
4b. The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:
 enclosed.
 to be charged to Deposit Account No. 19-3935.

5. Statement under § 1.97(e) (*applicable if Item 3a or Item 4a is checked*)

(Check either Item 5a or 5b)

- 5a. In accordance with 37 CFR § 1.97(e)(1), it is stated that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
5b. In accordance with 37 CFR § 1.97(e)(2), it is stated that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known by any individual designated in §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

6. This is a continuation/divisional/continuation-in-part application under 37 CFR § 1.53(b).

(Check appropriate Items 6a and/or 6b)

- 6a. Copies of the publications listed on the attached Form PTO-1449 which were previously cited in prior application Serial No. ___, filed on ___, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, have been omitted pursuant to 37 CFR § 1.98(d).
6b. Copies of the publications listed on the attached Form PTO-1449 which were not previously cited in prior application Serial No. ___, filed on ___, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, are provided herewith.

7. This is a continuation/divisional application under 37 CFR § 1.53(d) or a Request for Continued Examination under 37 CFR 1.114.

(Check either Item 7a or 7b)

- 7a. The Issue Fee has not been paid.
- 7b. A Petition to Withdraw from issue under 37 CFR § 1.313(c) is filed concurrently herewith or has been granted. A continuation/divisional application under 37 CFR § 1.53(d) or a Request for Continued Examination under 37 CFR 1.114, after payment of the Issue Fee, is proper in accordance with 37 CFR § 1.53(d)(1)(ii) or 37 CFR 1.114(a), respectively.

8. This is a Supplemental Information Disclosure Statement.

(Check either Item 8a or 8b)

- 8a. This Supplemental Information Disclosure Statement under 37 CFR § 1.97(f) supplements the Information Disclosure Statement filed on ___. A bona fide attempt was made to comply with 37 CFR § 1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental IDS can be considered as if properly filed on ___.
- 8b. This Supplemental Information Disclosure Statement is timely filed within one (1) month of the Notice under 37 CFR § 1.97 and 1.98, mailed ___.

9. In accordance with 37 CFR § 1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is:

(Check appropriate Items 9a, 9b, 9c and/or 9d)

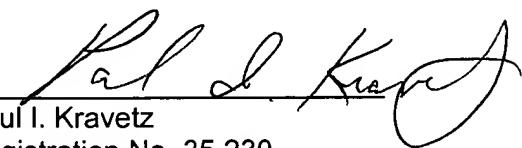
- 9a. satisfied because all non-English language publications were cited on the enclosed "English language version of the search report or action which indicates the degree of relevance found by the foreign office". (See MPEP § 609, Minimum Requirements for an Information Disclosure Statement, Part A(3): Concise Explanation of Relevance, 8th Ed.)
- 9b. set forth in the application.
- 9c. satisfied because an English language translation (complete or relevant portion(s)) is attached to each non-English language publication.
- 9d. enclosed as Attachment 1(e), hereto.
10. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§ 1.97(g) and (h).

11. The Commissioner is authorized to credit any overpayment or charge any additional fee required under 37 CFR § 1.17 for this Information Disclosure Statement to Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

By:


Paul I. Kravetz
Registration No. 35,230

Dated: July 9, 2004
1201 New York Ave., N.W., Suite 700
Washington, D.C. 20005
Telephone: (202) 434-1500
Facsimile: (202) 434-1501



Sheet 1 of 1

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 1075.1013C2D3	APPLICATION NO. 09/080,909
LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i>		FIRST NAMED INVENTOR George ISHIKAWA, et al.	
		FILING DATE May 19, 1998	GROUP ART UNIT 3663

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
	AG	4-248504	9/4/92	Japan			Abstract and full translation
	AH						
	AI						
	AJ						
	AK						
	AL						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

TRANSLATION
YES NO

AM			
----	--	--	--

EXAMINER	DATE CONSIDERED
----------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.